MASENO UNIVERSITY

UNIVERSITY EXAMINATIONS 2013/2014

FIRST YEAR SECOND SEMESTER EXAMINATIONS FOR THE
DEGREE OF MASTER OF EDUCATION IN
PSYCHOLOGY/GUIDANCE AND COUNSELING/SPECIAL
NEEDS/COMMUNICATION & TECHNOLOGY/EDUCATIONAL
PLANNING/EDUCATIONAL ADMINISTRATION &
MANAGEMENT

(MAIN CAMPUS)

EDU 802: MEASUREMENT AND EVALUATION

Date: 11ᵗʰ April, 2014   Time: 9.00 - 12.00 noon

INSTRUCTIONS:

- Answer Question ONE (COMPULSORY) and any other TWO questions.

EDU 802: MEASUREMENT AND EVALUATION

INSTRUCTIONS:

1. Answer Question ONE and any other TWO Questions.
2. Question ONE is Compulsory

Q1 (a) Despite the fact that measurement is the heart of social science, it has certain basic problems. Discuss. (4 marks)

(c) A researcher pilots a research instrument and obtains the following scores:

X	Y
45	49
40	44
35	39
30	34
25	29

i) Calculate the reliability coefficient index for thee instrument using Pearson'r. (12 marks)

ii) While piloting the instrument mentioned in Q5, the researcher used 90 (10%) of the respondents. What was the population? (1 mark)

iii) After piloting the instrument mentioned in Q1 (b), the researcher realized that its reliability coefficient index was below 70. He then decided to improve it five (5) times. What was its improved reliability coefficient index? (3 marks)

Q2. Measurement theories basically focus on error variance in measurement and how to reduce it. Discuss. (20 marks)

Q3. Discipline, teacher – student cordial relationship, completing the syllabus early and involving students in games were cited as cornerstones of academic success in the 2013 K.C.S.E. results. Discuss the statement in light of Benjamin Bloom's taxonomy of educational objectives.

(20 marks)

Q4. (a) Discuss sequentially the steps to be followed when constructing a data collection instrument. (14 marks)

(b) Discuss the application of measurement scales in research.

(6 marks)

Q5. (a) In data processing, the researcher must sequentially follow the steps involved. Discuss. (10 marks)

(b) Discuss any five (5) reasons why the Likert scale should be a preferred format when developing any data collection instrument.

(5 marks)

(c) Discuss any five (5) reasons for piloting a data collection instrument. (5 marks)